

Schena, Cristeen

From: Kimberly Tisa <Tisa.Kimberly@epamail.epa.gov>
Sent: Thursday, August 14, 2014 2:34 PM
To: Tisa, Kimberly
Subject: Fw: Extra Peak GCMS analysis
Attachments: The Extra Peak.pdf

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----- Forwarded by Kimberly Tisa/R1/USEPA/US on 08/14/2014 02:33 PM -----

From: Mark Bishop <markbishop@newenglandtesting.com>
To: Kimberly Tisa/R1/USEPA/US@EPA, Jackie Huggins <JHuggins@BETA-Inc.com>, Alan Hanscom <AHanscom@BETA-Inc.com>,
Date: 05/06/2004 03:55 PM
Subject: Extra Peak GCMS analysis

Kim:

During your visit you requested that we perform a GC/MS analysis of a sample which showed the additional peak eluting after Aroclor 1254 on the B channel in our 8082 analysis.

I have attached a PDF with figures to which I will refer in this text.

The first page is a GC/MS Profile (30m DB5) for a representative sample (Q-130-160 R.6 130 160) and a spectrum for a large peak eluting at 23.321 min. The spectrum shows a conspicuous peak at mass 149 suggesting an carboxylic acid ester. These esters do have considerable ECD response.

The second page is a co-plot of the sample with an Aroclor 1254 standard. On the DB5 column the peak elutes late in the 1254 profile.

A library search of the spectrum indicates a very good match with 2-[(2-butylcyclopropyl)methyl]cyclopropanenonanoic acid methyl ester.

In my opinion an identification as a high molecular weight carboxylic acid ester is appropriate.

I will be meeting with Nora next Thursday.

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(See attached file: The Extra Peak.pdf)